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FISHING ROD RACK

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2 Sheets-Sheet 1
The invention relates to a fishing rod rack, and more particularly to racks for attachment to the gunwale of a boat for holding the rods along the inside of the boat in easy access to a person in any part of the boat. Ordinarily when fishing from a row boat, motor boat or the like, the rods are laid in the bottom of the boat, or the reel end thereof laid on the bottom of the boat and the rod portion lies on a seat of the boat or even alongside the boat where they may be accidentally stepped upon, damaged or broken. A feature of the present invention is that by storing the rods along the side of the boat the hooks on the lines may be out of the way of the fisherman so he will not be injured thereby.

The principal object of the present invention is to provide a pair of racks adapted to be attached to the gunwale of the boat or the topside edge thereof, having a portion extending downwardly and inwardly along the inside of the boat and having a resilient material carried by said portions wherein there is an opening for receiving the small end of the rod in said opening and the other end has a groove intersected by an opening for receiving the handle end of the rod.

Other objects of the present invention are to provide a device of this character which may be attached to the side walls of a room, such as a tack room, garage or other structure.

Still further objects of the present invention are to provide a substantially rectangular shaped portion of the rack for engaging the top edge or gunwale of the boat in spaced relation; to provide means for securing the rectangular shaped portion to the gunwale; to provide arms on the racks extending at an angle from the rectangular portion and having side flanges providing a space for receiving an elongated resilient member and having openings for receiving the rods and holding the same thereto; to provide one of the racks with an elliptical shaped opening for receiving the smaller tip end of the rod and the rack opposite thereto having a notch and slot portion intersected by a circular opening into which the back or larger end of the rod may be inserted to hold the same therein; to provide the resilient material with a plurality of such openings and notches in spaced relation for holding a plurality of rods; and to provide the sides or flanges of the arms of the racks with inwardly turned portions for engaging the resilient material and holding the same therein.

Still further objects of the present invention are to provide means for fastening the racks to a wall or support in a room or the like; to provide a threaded clamp rod in the substantially rectangular portion of the racks to engage the gunwale of the boat and secure the same rigidly thereto, and when the racks are secured to a wall of a structure or room, the threaded clamp rod with its disc member will engage the fastening or keeper portion secured to said wall; and to provide a device of this character simple and economical to manufacture.

Other objects and advantages of this invention will become apparent from the following description taken in connection with the accompanying drawings wherein are set forth by way of illustration and example certain embodiments of this invention.

FIG. 1 is a perspective view of the racks shown attached to the gunwale of a boat with the rods attached thereto.

FIG. 2 is a top planed view of one of the rods.

FIG. 3 is a partly cross-sectional view of the side of the boat and one of the racks.

FIG. 4 is a perspective view showing the keeper or clamping member for attachment of the racks to a wall of a building structure.

FIG. 5 is fragmentary planed view illustrating the keeper structure.

FIG. 6 is a fragmentary partial front view showing the keeper structure attached to a wall.

Referring more in detail to the drawings:

1 designates the side wall of a boat and 2 the gunwale or top edge thereof to which may be attached the rod racks embodying the feature of my invention wherein 3 designates one of a pair of racks and 4 the other of such pair of racks.

The racks are identical except for the resilient portions 5 and 6 and only one will be described. The racks 3 and 4 are made from a strip of metal or the like 7 about one-inch in width and one-eighth inch thick and consist of a substantially U-shaped portion 8 having elongated arms 9 extending at an angle of about 30° from the arm portion 10 of the U-shaped member. The arms 10 are bent laterally forming a bar portion 11 and again turned laterally forming arms 12 to extend parallel with the arms 10 which engages the outside of the gunwale 2 as illustrated in FIG. 1 when the racks are attached thereto, thus providing the substantially U-shaped member 8 and a space 13 for receiving the gunwale 2.

In order to provide sufficient rigidity to the U-shaped structure, the arms 10 and 12 and bar 11 are provided with embossings 14, 15 and 16. FIG. 3. The embossings are convex in configuration and bordered on all sides with horizontal surfaces. I also provide a substantially 45° angle gusset 17 and 18 into each of the right angles of the bent portions between the arms 10 and 12, also as illustrated in FIG. 3.

Both of the arms 9 have their sides bent at right angles to the flat surface 19 thereof forming sides 20 and 21 (FIG. 2). Mounted between the sides 20 and 21 are the resilient elongated flat members 5 and 6 and the sides 20 and 21 are extended inwardly at their inner edges forming flanges 22 and 23 for gripping and retaining the resilient members 5 and 6 between the side members 20 and 21.

The elongated resilient members are preferably made of neoprene rubber or the like and the member 5 is provided with an elliptical shaped opening 24 and the rack 3 opposite the opening 24 is provided with a notch 25 and groove 25' intersected by a circular opening 26 inwardly thereof. The purpose of having the notch, groove and opening opposite the elliptical opening 24 is so that the tip or small end 27 of a rod 28 may be inserted through the elliptical opening 24 easily by a person in a boat sitting rearwardly or to the left side of the rack 3 and the rear or handle end of the rod, which is the larger portion, inserted through the notch 25 and slot 25' into the opening 26 in the rack 3 within easy reach of the person sitting near that rack.

Spaced from the elliptical opening 24 is a notch portion 29 and slot intersected by a circular opening 31 and spaced from the circular opening 26 in the rack 3 is an elliptical opening 32 so that a person sitting to the right of the rack 4 may insert the tip end 33 of a rod 34 through the elliptical opening and the handle end of the rod inserted through the notch 29, and slot 30 into the opening 31. I have here shown two elliptical openings and two notches and slots with openings in each of the resilient members 5 and 6, thus accommodating four rods, and the openings and notches appear alternately lengthwise in the members 5 and 6 so that two rods may be inserted from each side of the rack.
the racks 3 and 4. Any number of openings and slots may be utilized.

In order to secure the U-shaped portions 8 of the rack to the gunwale of the boat, I provide the arms 10 of the U-shaped portions 8 with openings 35 to receive a threaded bearing or clinch nut 36 (Fig. 3) for receiving a threaded pin 37 having its outer end turned laterally to form finger member 38. A disc member 39 is secured to the other end of rod 37 and is adapted to engage the side 38 of the gunwale as illustrated in Fig. 3, thereby by tightening of the clamp rod the racks may be rigidly supported by the gunwale in spaced relation as illustrated in Fig. 1.

In Figs. 4, 5 and 6 I have illustrated the clamp rods attached to a wall structure 40 by keeper members 41 and 42 consisting of flat strips of metal or the like having their center portion embossed or offset laterally as indicated at 43 and 44 forming a space 45 of substantially the same depth as the thickness of the arm portion 12 of the U-shaped members 8 of the racks 3 and 4. Spaced from the ends of the keeper members 41 and 42 are openings 46 and 47 for receiving screws or the like 48 and 49 for fastening the keeper members to the wall 40. With this form of my invention, the racks are secured to the keeper members 41 and 42 by inserting the arm portions 12 thereof in the recesses 43 between said embossed portions 43 and 44 and said wall and by tightening of the clamping rods the disc portion 39 will engage the embossed portions as illustrated in Fig. 4 and hold the racks rigidly attached to said keeper members.

In this form of the invention the rods are inserted in the openings and notches the same as in the invention shown in Figs. 1, 2 and 3. It will be obvious from the foregoing that I have provided an improved rack for fishing rods and the like which may be quickly assembled and disassembled to the gunwale of a boat or to the wall of a building structure and to which the rods may be assembled easily and quickly and removed therefrom and wherein they will be kept in an untangled manner and free from harm by persons moving around in the boat or in the room.

It will be further obvious that while I have shown the rack to be made of metal and the resilient members of rubber, I do not wish to be limited to such material as other material may be used without departing from the spirit of my invention.

It is to be understood that while I have illustrated and described one form of my invention, it is not to be limited to the specific form or arrangement of parts herein described and shown except insofar as such limitations are included in the claims.

What I claim and desire to secure by Letters Patent is:

1. In combination a holding device for fishing rods having tip and rear ends and mounted on a support comprising:
   (a) a pair of rod racks,
   (b) each of said racks including a U-shaped portion for engaging said support and securing said rod racks to said support in spaced relation,
   (c) a threaded clamp rod carried by said U-shaped portion and having a portion engaging said support, each of said rod racks having an elongated arm portion,
   (d) an elongated resilient member of substantially the same length of said arms,
   (e) means on said arms for securing said resilient members to said arms, and
   (f) one of said resilient members having spaced alternate openings within the member and slots extending therein from an outer edge and the other resilient member having spaced alternate slots extending therein from the outer edge and openings within the

2. The combination of claim 1 wherein the means securing said resilient members to said arms includes side members on said arms having portions turned toward each other for engaging said resilient members.

3. The combination of claim 1 wherein said arms extend from said U-shaped member at an angle of approximately 30°.

4. The combination of claim 3 wherein the means securing said resilient members to said arms includes side members on said arms having portions turned toward each other for engaging said resilient members.

5. In combination, a holding device for fishing rods having tip and rear ends and mounted on a support comprising:
   (a) a pair of rod racks, said racks each having a U-shaped portion and each having an elongated arm extending from said U-shaped portion,
   (b) a pair of said racks being secured to support and said support being in longitudinal alignment with the slots on the other resilient member, whereby the tip end of the rod is inserted through one of said openings and the rear end of the rod is inserted in the slot in alignment with said last named opening.

6. The combination of claim 5 wherein said arms extend from said U-shaped member at an angle of approximately 30°.

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